

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062218\
 Data File : VF059293.D
 Acq On : 23 Jun 2018 00:15
 Operator : VA/AP
 Sample : J3605-03
 Misc : 6.14g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-3(5-5.5)

Manual Integrations
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Quant Time: Jun 23 05:09:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	184989	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	288252	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	291772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	176274	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	136951	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
35) Dibromofluoromethane	4.27	113	76	0.03	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	0.06%	
50) Toluene-d8	7.70	98	284786	46.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.34%	
62) 4-Bromofluorobenzene	11.51	95	146737	42.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.80%	
Target Compounds						
16) Acetone	2.33	43	110797	176.54	ug/l	99
20) Methylene Chloride	2.27	84	14425m	9.82	ug/l	
27) cis-1,2-Dichloroethene	3.63	96	4354	2.09	ug/l	86
44) Trichloroethene	5.67	130	6353	2.85	ug/l	68
64) Tetrachloroethene	8.31	164	1982874	884.89	ug/l	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

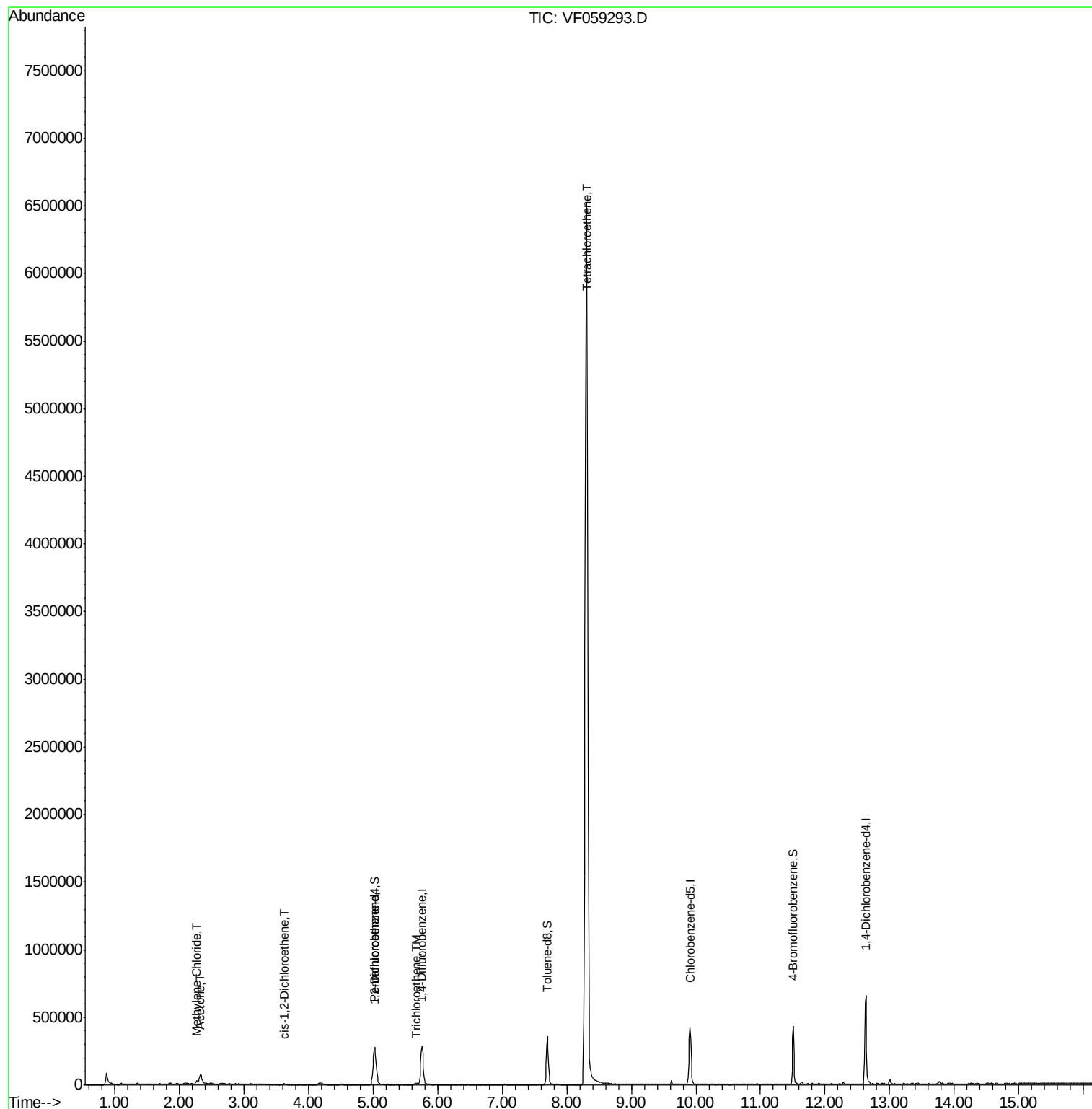
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062218\
Data File : VF059293.D
Acq On : 23 Jun 2018 00:15
Operator : VA/AP
Sample : J3605-03
Misc : 6.14q/5mL/MSVOA-F/SOIL
ALS Vial : 16 Sample Multiplier: 1

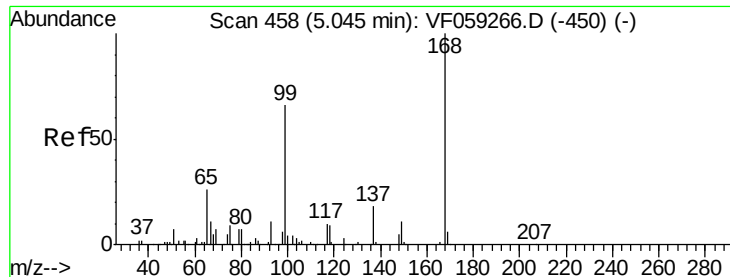
Instrument :
MSVOA_F
ClientSampleId :
S-3(5-5.5)

Quant Time: Jun 23 05:09:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059293.D

Acq: 23 Jun 2018 00:15

Instrument :

MSVOA_F

ClientSampleId :

S-3(5-5.5)

Tot Ion:168 Resp: 184989

Ion Ratio Lower Upper

168 100

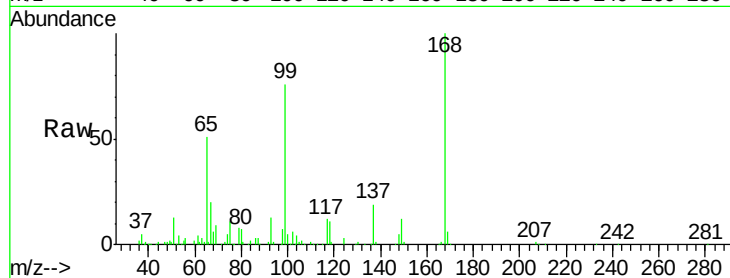
99 75.9 52.6 78.8

Manual Integrations

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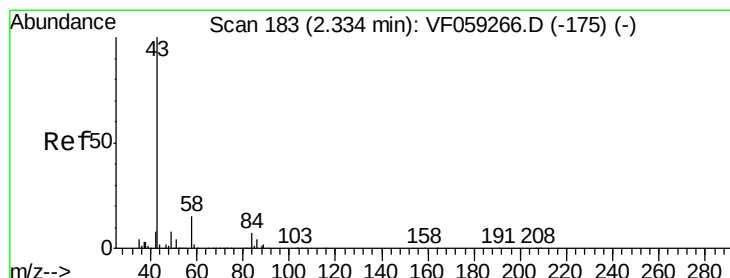
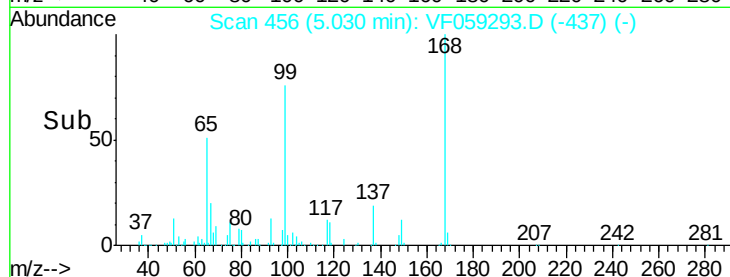
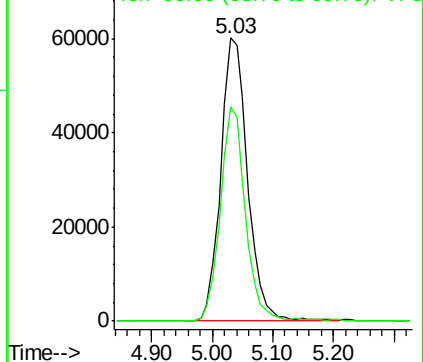
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 176.54 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059293.D

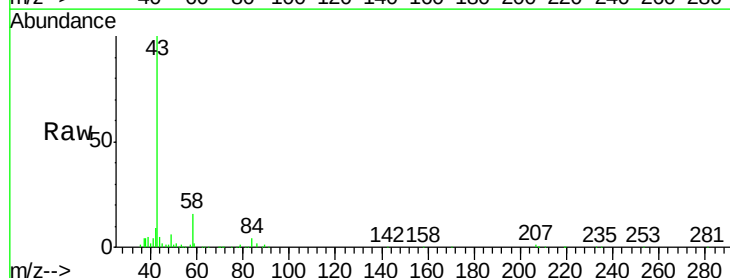
Acq: 23 Jun 2018 00:15

Tgt Ion: 43 Resp: 110797

Ion Ratio Lower Upper

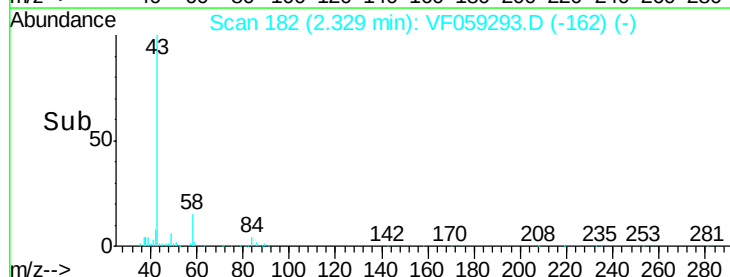
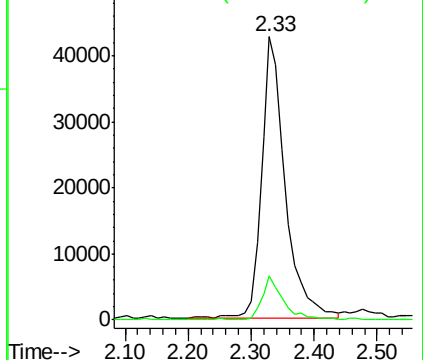
43 100

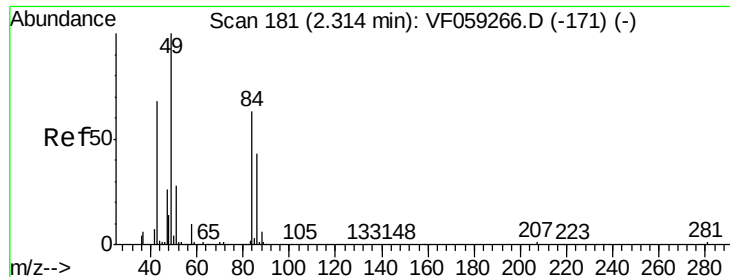
58 15.6 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





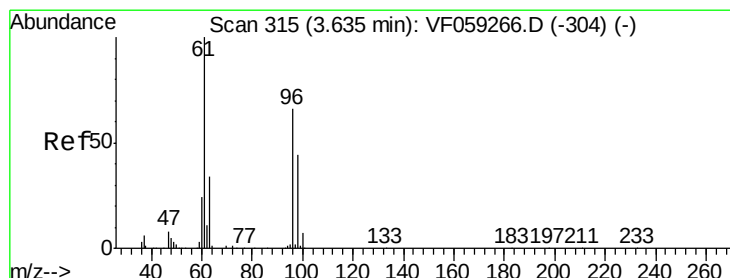
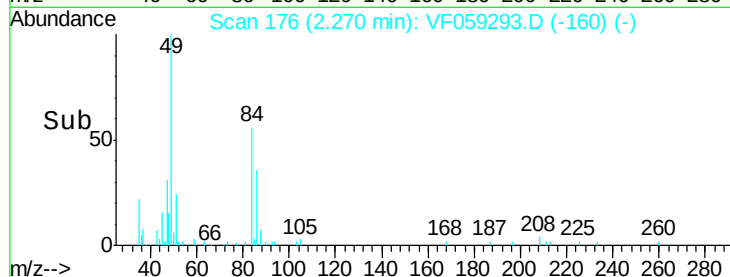
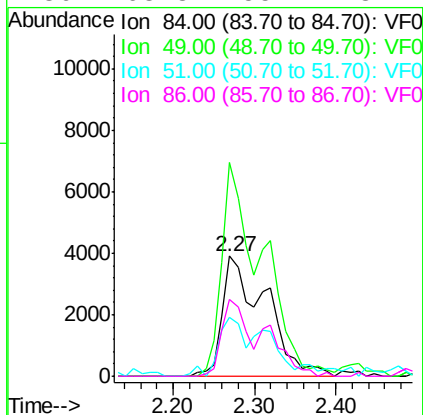
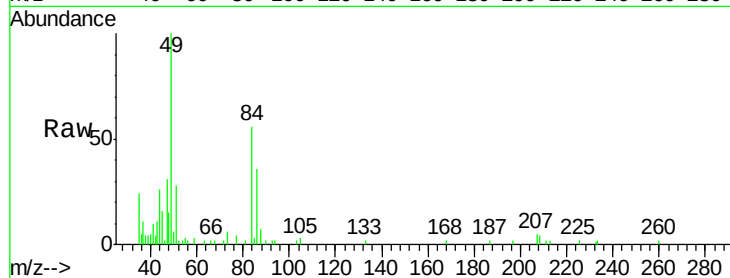
#20
Methylene Chloride
Concen: 9.82 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. -0.04 min
Lab File: VF059293.D
Acq: 23 Jun 2018 00:15

Instrument :
MSVOA_F
ClientSampled :
S-3(5-5.5)

Tot Ion	84	Resp	14425
Ion	Ratio	Lower	Upper
84	100		
49	177.8	130.0	195.0
51	49.0	36.6	55.0
86	63.8	55.1	82.7

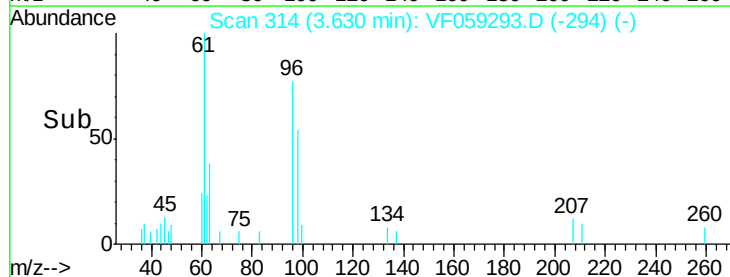
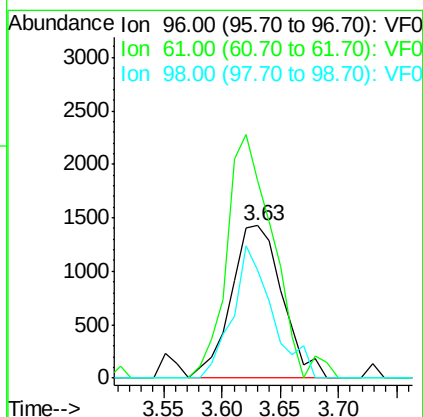
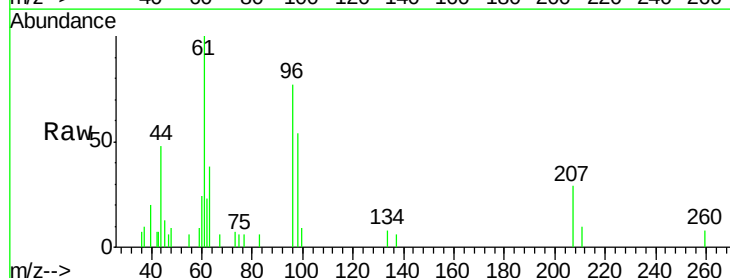
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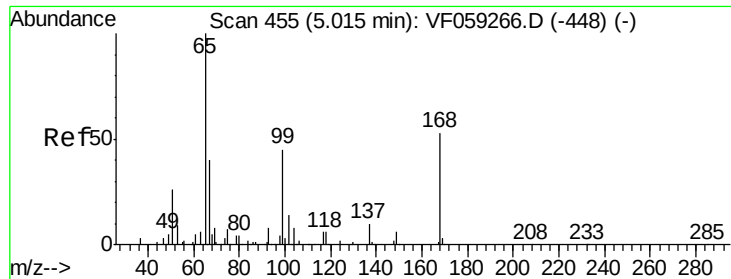
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#27
cis-1,2-Dichloroethene
Concen: 2.09 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF059293.D
Acq: 23 Jun 2018 00:15

Tgt Ion	96	Resp	4354
Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	305.0
98	70.5	0.0	134.0





#33

1,2-Dichloroethane-d4

Concen: 51.57 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059293.D

Acq: 23 Jun 2018 00:15

Instrument :

MSVOA_F

ClientSampleId :

S-3(5-5.5)

Tot Ion: 65 Resp: 136951

Ion Ratio Lower Upper

65 100

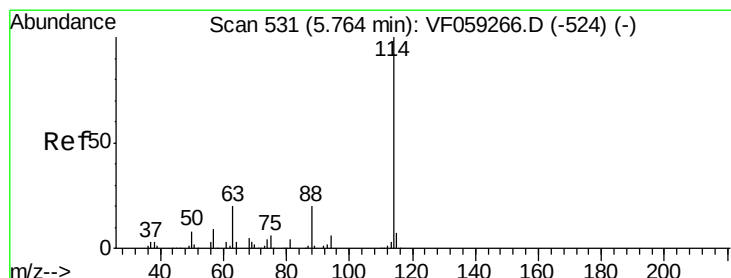
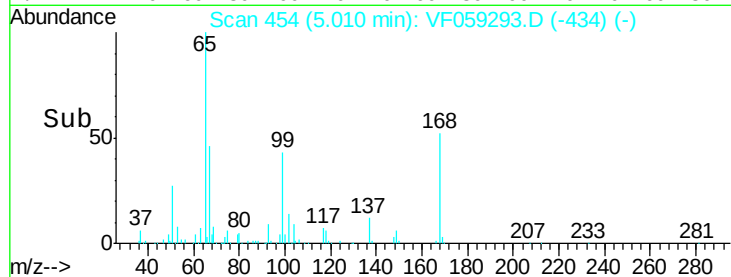
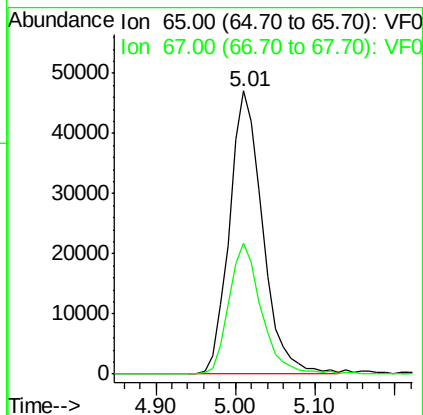
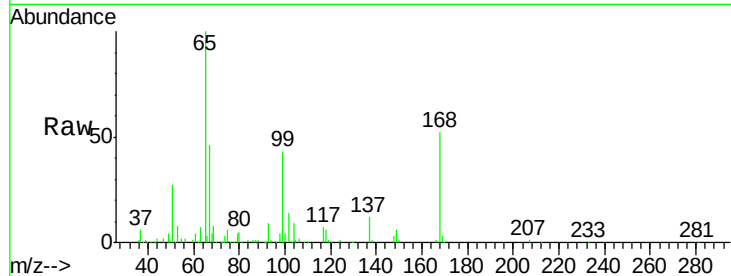
67 46.4 0.0 95.8

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059293.D

Acq: 23 Jun 2018 00:15

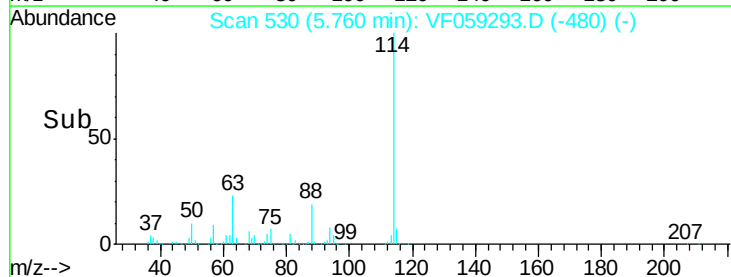
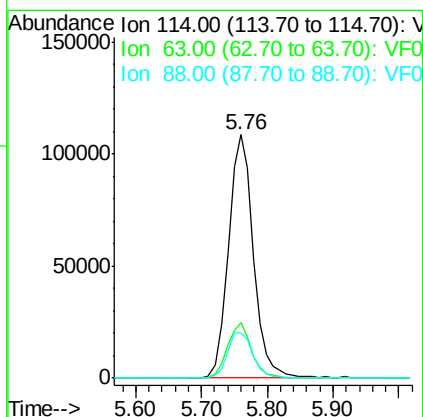
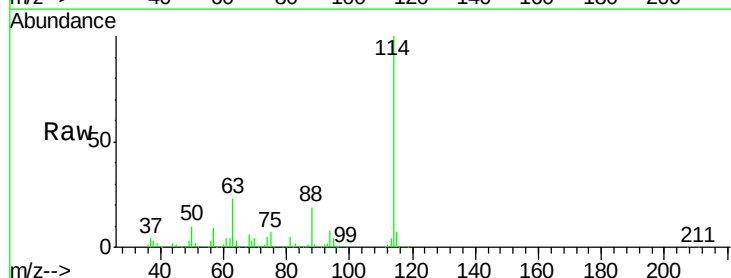
Tgt Ion: 114 Resp: 288252

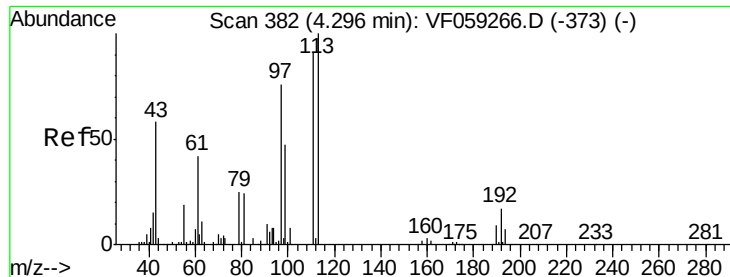
Ion Ratio Lower Upper

114 100

63 22.9 0.0 41.0

88 18.6 0.0 39.6





#35

Dibromofluoromethane

Concen: 0.03 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.02 min

Lab File: VF059293.D

Acq: 23 Jun 2018 00:15

Instrument :

MSVOA_F

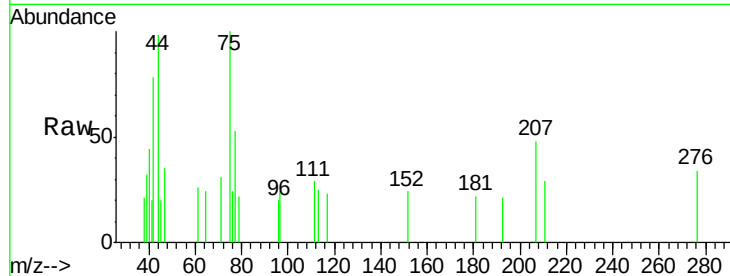
ClientSampleId :

S-3(5-5.5)

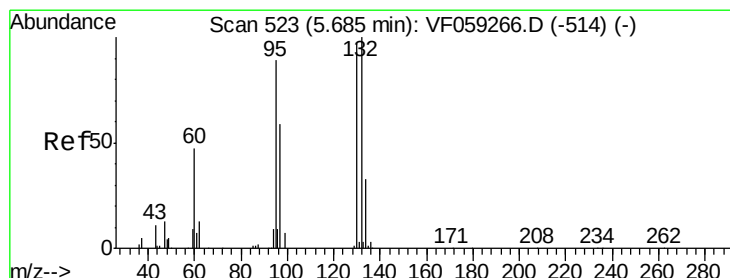
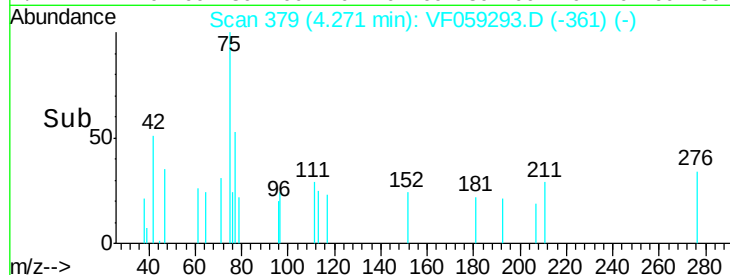
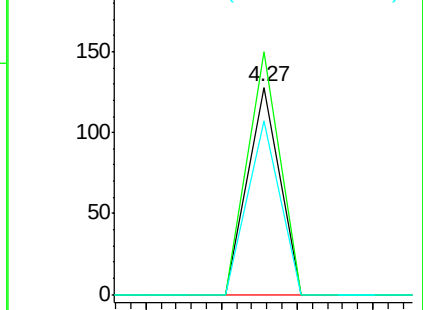
Tot Ion:113	Resp:	76
Ion Ratio	Lower	Upper
113	100	
111	117.2	73.1 109.7#
192	83.6	13.9 20.9#

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Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#44

Trichloroethene

Concen: 2.85 ug/l

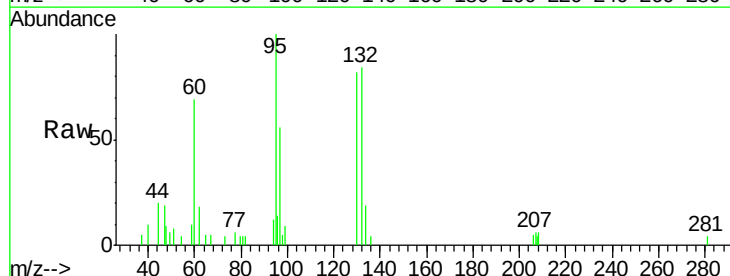
RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

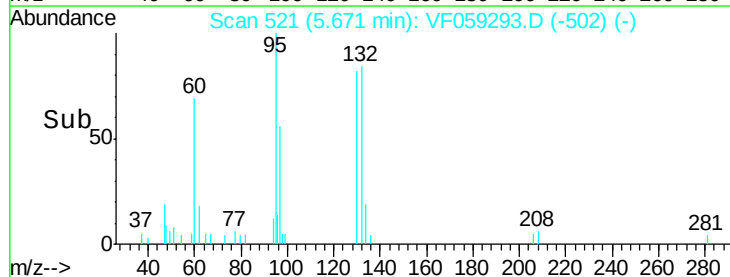
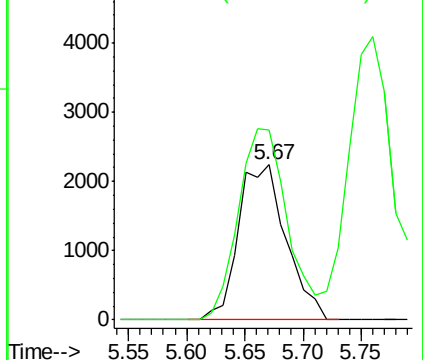
Lab File: VF059293.D

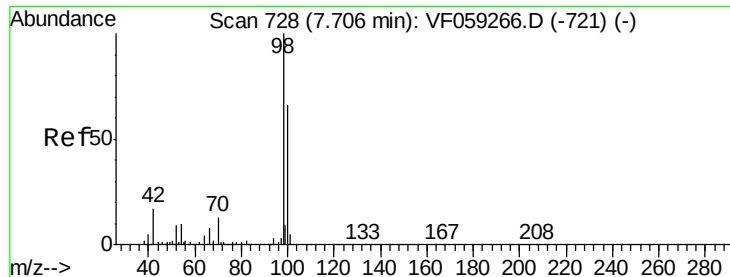
Acq: 23 Jun 2018 00:15

Tgt Ion:130	Resp:	6353
Ion Ratio	Lower	Upper
130	100	
95	122.4	0.0 183.6



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





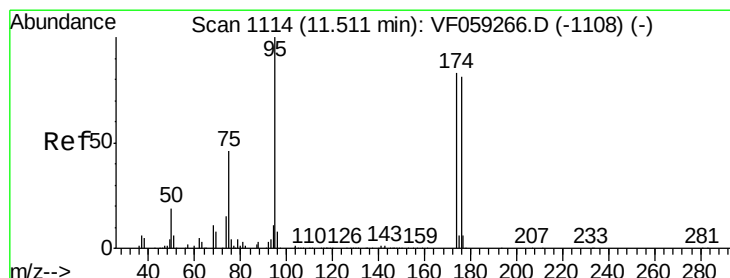
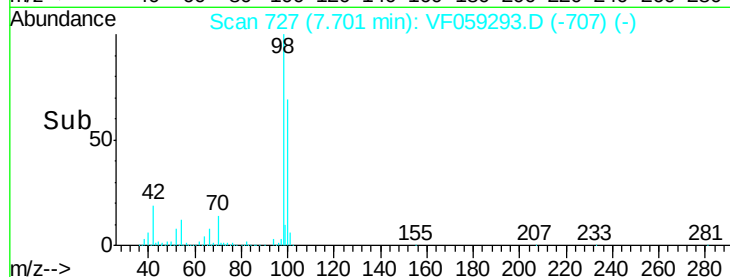
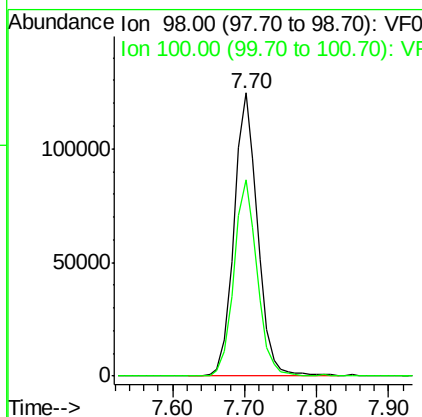
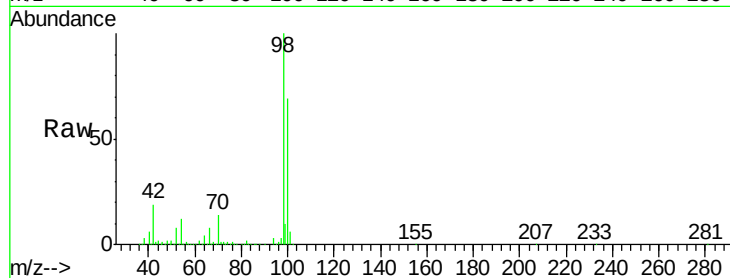
#50
Toluene-d8
Concen: 46.17 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059293.D
Acq: 23 Jun 2018 00:15

Instrument :
MSVOA_F
ClientSampleId :
S-3(5-5.5)

Tot Ion	98	Resp	284786
Ion Ratio	100	Lower	Upper
98	100		
100	69.3	52.8	79.2

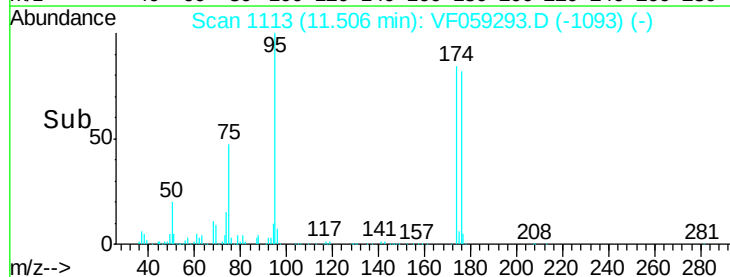
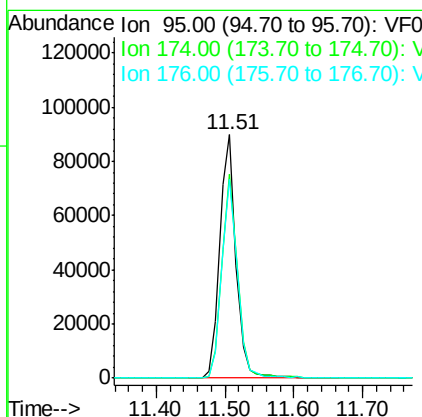
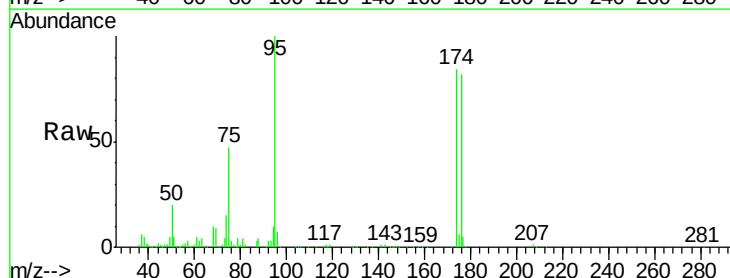
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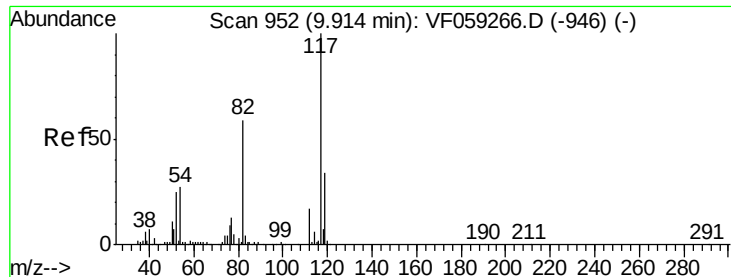
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#62
4-Bromofluorobenzene
Concen: 42.90 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059293.D
Acq: 23 Jun 2018 00:15

Tgt Ion	95	Resp	146737
Ion Ratio	100	Lower	Upper
95	100		
174	83.7	0.0	166.2
176	81.6	0.0	162.8





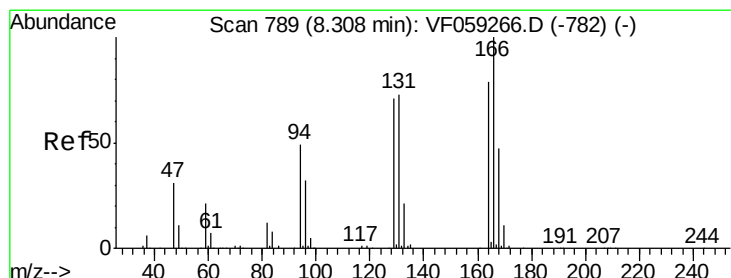
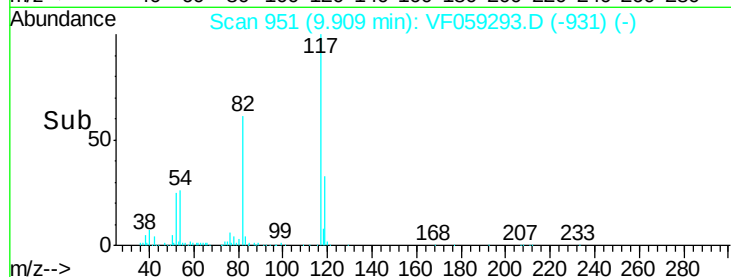
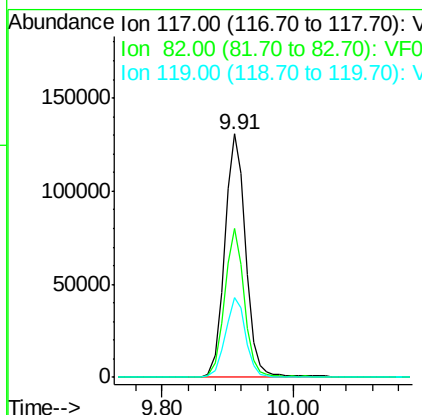
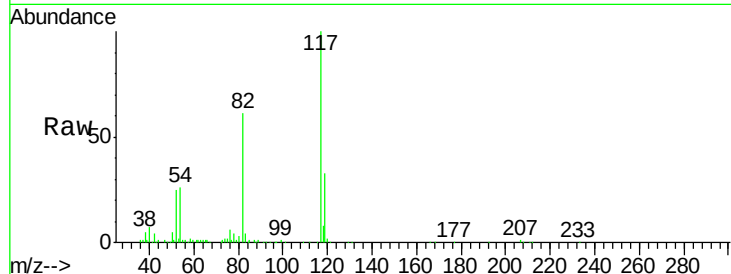
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059293.D
Acq: 23 Jun 2018 00:15

Instrument :
MSVOA_F
ClientSampleId :
S-3(5-5.5)

Tot Ion	Ratio	Resp	Lower	Upper
117	100	291772		
82	61.3	47.1	70.7	
119	32.8	26.9	40.3	

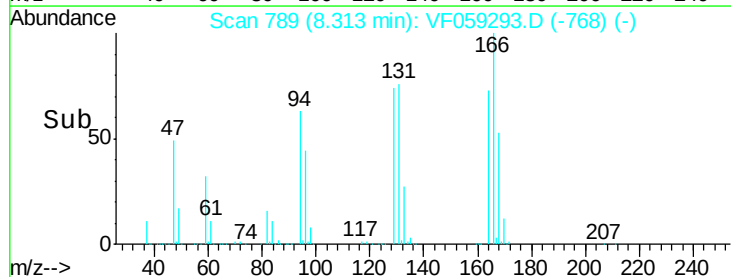
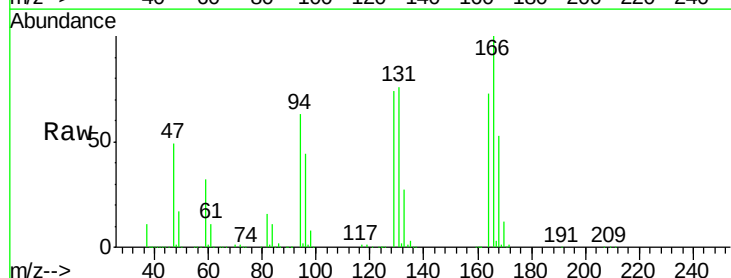
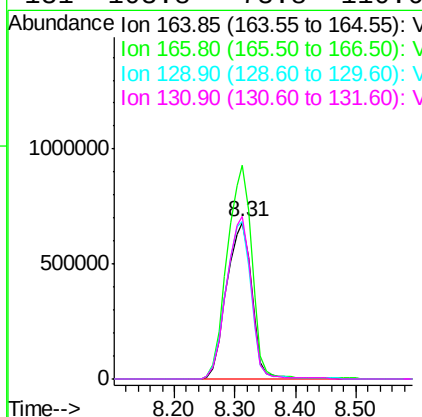
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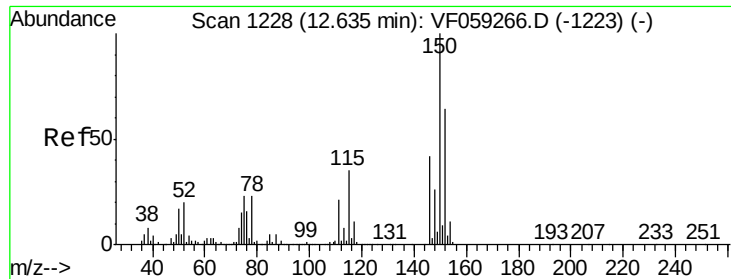
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#64
Tetrachloroethene
Concen: 884.89 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF059293.D
Acq: 23 Jun 2018 00:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1982874		
166	136.5	101.4	152.2	
129	100.7	72.2	108.4	
131	103.8	73.8	110.6	





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059293.D

Acq: 23 Jun 2018 00:15

Instrument :

MSVOA_F

ClientSampleId :

S-3(5-5.5)

Tot Ion:	152	Resp:	176274
Ion Ratio	Lower	Upper	
152	100		
115	55.9	27.8	83.3
150	153.1	0.0	313.8

Manual Integrations
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